

INTRODUCTION



We offer a range of exceptional step-up cartridge transformers (SUT) suitable for most cartridge impedances and a choice of ratio.

All the cartridge transformers we install (brand new or vintage) are constructed on Mumetal (76% Nickel) cores for minimal distortion and high bandwidth..

CHOICE OF TRANSFORMER

It is essential to choose the right transformer for the cartridge you have. The choice depends on a combination of factors.

The first step is to determine the actual impedance (resistance) of the cartridge. As a guide, if this is less than 40 ohms then choose a Low impedance transformer. If it is above 40 ohms, then select the High impedance transformer. High impedance cartridges tend to have a good output, so the 12.5 ratio of type MC01R/12 is generally adequate.

Some cartridges have a low output (<250 microvolts), and we recommend a high ratio transformer (1:20 or more).

Obviously the ratio you need also depends on the gain of the

amplifier as well as the cartridge output. The information below is only a guide. The only problem with using a 1:20 transformer with a high output cartridge is that the amplifier may need to be turned down very low.



CARTRIDGE LOADING

In general Moving Coil, cartridges work best when connected to load impedance at least ten times the cartridge impedance. Some cartridges need to be damped to prevent high-frequency resonance of the moving parts. Some commercial units offer to vary the impedance via a selector just connecting a resistor in parallel with the secondary winding; this can bring to side effects like “ringing”, we recommend using a Zobel network across the secondary of the transformer instead, if you find problematic to match your cartridge we can fine-tune your cartridge to any of our transformers for a reasonable fee.

The minimum load value in the table below is also a guide to setting the load, but it is recommended to carry out listening tests.

Recommended MC transformers

Manufacturer	Model	Z(Ohms)	Min Load (Ohms)	Output (uV)	Recommended model		
					MC01R/10 MCR01/R(v)/3360	MC01R/20 MC25V	MC01R/12
Audio Technica	AT-OC9ML/II	(2)?	20	500	o	o	
Benz Micro	Ref 2 Silver	8.5	100	300	o	o	
Benz Micro	Glider L2	12	120	300	o		
Benz Micro	L2	13	100	300	o		
Benz Micro	MC Gold	20	200	400	o		
Benz Micro	Glider M2	24	200	800	o		
Benz Micro	M2	24	200	800	o		
Benz Micro	LP Ebony	38	500	280	o		
Benz Micro	Ruby 2	45	400	450			o
Benz Micro	Ruby 3	40	400	340			o
Benz Micro	Ruby H	85	1000	800			o
Benz Micro	Glider H2	90	1000	2500			o
Benz Micro	H2	90	1000	2500			o
Benz Micro	MC20E	110	47000	2200			o
Benz Micro	MC Silver	120	1000	2000			o
Benz Micro	Ace L	12	200	400	o		
Bloom H	R50	8	100	480	o	o	

Cardas	Heart	40	400	300	o		o
Cardas	Myrtle	45	500	380			o
Clear Audio	Victory-Gold	9	90	200	o	o	
Clear Audio	Accurate	50	500	600			o
Clear Audio	Discovery	50	500	500			o
Clear Audio	Gamma	50	500	500			o
Clear Audio	Insider Gold	50	500	600			o
Clear Audio	Insider Reference Wood	50	500	700			o
Clear Audio	Sigma Wood	50	500	600			o
Clear Audio	Signature	50	500	500			o
Clear Audio	Victory H	50	500	600			o
Denon	DL-103	40	100	300	o		o
Denon	DL-103R	14	100	300	o		
Denon	DL-301 Mk2	33	330	400	o		
Denon	DL-304	40	100	180	o		
Denon	DL-110	160	47000	1600			o
Denon	DL-S1	40	100	150	o		
Denon	DL-160	160	47000	1600			o
Dynavector	DV XX-1L	3	30	250	o	o	
Dynavector	Te Kaitori	4	100	250	o	o	
Dynavector	DV17D2 MkII Karat	38	100	230	o		
Dynavector	DV23RS MkII	10	100	150	o	o	
Fuji	ZYX R-100	4	100	250	o	o	
Goldring	Elite	8	100	500	o	o	
Grado	Master	2	20	500	o	o	
Grado	Platinum	2	20	500	o	o	
Grado	Reference	2	20	500	o	o	
Grado	Sonata	2	20	500	o	o	
Immutable Music	Transfiguration Spirit	10	100	400	o	o	
Koetsu	Platinum	5	50	250	o	o	
Koetsu	Black	5	30	400	o	o	
Koetsu	Rosewood	5	100	600	o	o	
Lynn	Troika	5	100-470	200	o	o	
Lyra	Titan i	5.5	100	500	o	o	

Lyra	Parnassus	2	100	250	o	o	
Lyra	Helikon Mono	3	100	250	o	o	
Lyra	Lydian Beta	4	100	500	o	o	
Miyabi	Alnico	4	40	250	o	o	
Ortofon	SPU Meister A	1.5	10	300	o	o	
Ortofon	SPU Meister GM	1.5	10	300	o	o	
Ortofon	SPU Meister Silver A	1.5	10	300	o	o	
Ortofon	SPU Meister Silver GM	1.5	10	300	o	o	
Ortofon	SPU Classic A	2	10	100	o	o	
Ortofon	SPU Classic A E	2	10	200	o	o	
Ortofon	SPU Classic GM	2	10	200	o	o	
Ortofon	SPU Classic GM E	2	10	200	o	o	
Ortofon	SPU Reference A	3	10	200	o	o	
Ortofon	SPU Reference GM	3	10	200	o	o	
Ortofon	SPU 90 Anniversary	2	10-50	300	o	o	
Ortofon	Kontrapunkt a	5	50	470	o	o	
Ortofon	Kontrapunkt b	5	50	450	o	o	
Ortofon	MC 10 Super MkII	5	10	200	o	o	
Ortofon	MC 10 Supreme	5	20	500	o	o	
Ortofon	MC 20 Super MkII	5	10	200	o	o	
Ortofon	MC 20 Supreme	5	20	500	o	o	
Ortofon	MC 2000 MkII	5	20	125	o	o	
Ortofon	MC 30 Super MkII	5	10	200	o	o	
Ortofon	MC 30 Supreme	5	20	500	o	o	
Ortofon	MC 3000 MkII	5	10	125	o	o	
Ortofon	MC Jubilee	5	10	340	o	o	
Ortofon	MC 10 Super	6	10	300	o	o	
Ortofon	MC 25 E	6	20	500	o	o	
Ortofon	MC 25 E	6	20	500	o	o	
Ortofon	MC 25 FL	6	20	500	o	o	
Ortofon	MC 25 FL	6	20	500	o	o	
Ortofon	MC 5000	6	20	140	o	o	
Ortofon	MC 7500	6	70	130	o	o	
Ortofon	MC Rohmann	6	10	250	o	o	

Ortofon	Rohmann	6	100	250	o	o	
Ortofon	SPU Royal A	6	100	200	o	o	
Ortofon	Rondo Red	6	100	500	o	o	
Ortofon	SPU Royal GM	6	100	200	o	o	
Ortofon	SPU Royal N	6	100	200	o	o	
Ortofon	MC 15 Super MkII	7	20	340	o	o	
Ortofon	Tango	10	>20	500	o	o	
Ortofon	Samba	6	>10	300	o	o	
Ortofon	Salsa	7	>20	380	o	o	
Pickering	XLZ-7500-S-mk2	unknown 5 Ohms?	load 50 to 250	330	o	o	
Shelter	901	5	100	1400	o	o	
Shelter	501 II	10	100	400	o	o	
Van den Hul	Black Beauty a	16	>500	500	o		
Van den Hul	Black Beauty b	41	47k				o
Van den Hul	Black Beauty c	96	47k				o
Yamaha	MC11	30	300	350	o		
ZYX	R50 Bloom	4	100	240	o	o	

Still confused? For any enquiry, please contact us via the website (<https://www.thevinylsource.co.uk/contact>) or email at info@thevinylsource.co.uk